PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB

Substitute	e for form 1449A/F	οτς	1	Complete if Known			
				Application Number	TBA 10/625,102		
INFO	RMATIO	N DI	SCLOSURE		July 22, 2003		
STAT	TEMENT	BY A	APPLICANT		Pedro M. Buarque de Macedo		
				Art Unit	IBD 3673		
6	(use as many sh	heets a.	s necessary)	Examiner Name	TBO Gay Ann Spahn		
Sheet	1	of	3	Attorney Docket Number	50699/11		

			U.S. PATI	ENT DOCUMENTS	
Examiner Initials		Document Number Number - Kind Code ² (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GAS	1	us- 4,430,108	02-07-1984	Hojaji et al.	
Λ	2	us- 3,959,541	05-25-1976	King et al.	
	3	us- 4,198,224	04-15-1980	Kirkpatrick	
T	4	us- 5,069,960	12-03-1991	Fukumoto et al.	
	5	US- 4.119.422	10-10-1978	Rostoker	
	6	us- 4,571,321	02-18-1986	Kijowski et al.	
	7	us- 3,979,217	09-07-1976	Sutton	
	8	us- 4,623,585	11-18-1986	Linton et al.	
	9	us- 4,424,280	01-03-1984	Malric	
	10	us- 4,440,296	04-03-1984	Howe et al.	
	11	us- 5,862,640	01-26-1999	Negri	
	12	us- 6,174,587 B1	01-16-2001	Figge, Sr.	
	13	us- 6,212,840 B1	04-10-2001	Davidovitz	
	14	us- 4,798,758	01-17-1989	Nagano et al.	
	15	us- 4,024,309	05-17-1977	Pender	
	16	us- 4,833,015	05-23-1989	Furuuchi et al.	
	17	us- 4,992,321	02-12-1991	Kandachi et al.	
	18	us- 4,879,159	11-07-1989	Furuuchi	
V	19	us- 4,987,028	01-22-1991	Kandachi et al.	
GAS	20	us- 4,758,538	07-19-1988	Satoh et al.	

FOREIGN PATENT DOCUMENTS									
Cite No. 1	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	τ6				
			The state of the s		_				
					_				
					-				
		Cite Foreign Patent Document	Cite Foreign Patent Document Publication Date	Cite Foreign Patent Document Publication Date Name of Patentee or	Cite Foreign Patent Document Publication Date Name of Patentee or Where Relevant Passages Where Relevant Passages				

Jay Ann Spahn Examiner Date 2005 Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0551-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. control number.

Substitut	te for form 1449A	IPTO		Complete if Known			
				Application Number	TBA 10/625,102		
INFO	RMATIO	N DIS	CLOSURE	Filing Date	July 22, 2003		
STA.	TEMENT	RY A	PPLICANT		Pedro M. Buarque de Macedo		
JIA	LINEIN	J. 7		Art Unit	180 - 3673		
((use as many s	heets as	necessary)	Examiner Name	TBD Gay Ann Spahn		
 Sheet	2	of	3	Attorney Docket Number	50699/11		

			II S PATE	ENT DOCUMENTS	
Examiner Initials		Document Number Number - Kind Code ² (if known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
GAS	21	us- 3,951,632	04-20-1976	Seki et al.	
7	22	us- 5,516,351	05-14-1996	Solomon et al.	
	23	us- 5,188,649	02-23-1993	Macedo et al.	
	24	us- 5,514,198	05-07-1996	Bayle et al.	
i	25		09-19-1995	Garrioch	
V	26		03-28-2000	Lingart, et al.	
GAS	27	us- 5,151,228	09-29-1992	Vahlbrauk	
		US-			
		US-			
		US-			
	1	US-			
		US-			
		US-			
	T	US-			
[US-			
		US-			
1		US-			
		US-			
	T	US-			
I	1	US-			

FOREIGN PATENT DOCUMENTS										
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code3 - Number 4 - Kind Code4 (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	⊤ 8				
				-						
						 				
						<u> </u>				
						-				

ay Ann Spahn Date Examiner Considered Signature

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).

2 See Kinds Codes of USPTO Patent Documents at www.usplo.gov or MPEP 901.04.

3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

9 Applicant is to place a check mark here if English language Translation is attached.

English language Translation is addition.

Burden Hour Statement: This form Is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

				Complete if Known			
	or form 1449B/PTO			Application Number	TOA 10/625, 102		
NFOR	MATION [DIS	CLOSURE	Filing Date	July 22, 2003		
				First Named Inventor	Pedro M. Buarque de Macedo		
STATEMENT BY APPLICANT				Group Art Unit	TBD- 3673		
	(use as many she	ets a	s necessary)		TBD- Bay Ann Spahn		
Sheet	3	of	3	Attorney Docket Number	50699/11		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	28	Mission Area: Structural Blast Mitigation	
GAS	29	Co-pending U.S. Patent Application Serial No. 10/076,971, filed Feb. 15, 2002	
:	30	EDWARD C. NAWY, Prestressed Concrete: A Fundamental Approach (Prentice Hall 1989)	_
	-	1909)	_
		`	
	-		_
	-		
			_
			_

Examiner Signature	ay Ann Spahr	Date Considered	7/7/2005

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.